Telecommunications & Cloud Computing in the Healthcare Industry

Doctor's clinics, hospitals, and health clinics require quick access to computing and large storage facilities which are not provided in the traditional settings. Moreover, healthcare data needs to be shared across various settings and geographies which further burdens the healthcare provider and the patient causing significant delay in treatment and loss of time.

The volume of healthcare transactions and the amount of electronic information exchanged over healthcare networks continues to grow faster than any other vertical industry. Cloud computing and telecommunications are continually evolving to meet the growing security requirements of heavily-regulated industries like healthcare.

What is the business situation faced by many healthcare providers today?

The need to store an expanding archive of medical images is driving some health care providers to turn to the adoption of new technologies. These are challenging times in the healthcare sector since:

- Many hospitals' data centers are already crowded; advances in scanning technologies mean they will have an ever-mounting volume of data to maintain.
- Complying with new regulations and healthcare reform legislation while stretching limited budgets to meet increasing product and service demands.
- An aging population and healthcare worker shortages are pushing the industry to find alternative approaches to current treatment practices.
- The cost of managing, cooling and expanding data centers in some cases is looking less favorable than putting the data into the cloud.

What is the business impact that telecommunications and cloud computing have on the healthcare industry?

Telecommunications and cloud computing provide the healthcare organizations an incredible opportunity to begin to implement tailored solutions for their industry. It also provides:

- Better interoperability with partners and stakeholders
- Improved services and communication with patients by sharing information more easily
- Increase in operational efficiency
- Faster provisioning of healthcare services

What operational capabilities do telecommunications and cloud computing offer for the health care industry?

Telecommunications:

1. ***Accessibility*** – Telecommunications enables faster access to important information for health services providers and their patients.
2. ***Improved Services*** - Wireless and broadband access enables patient monitoring.
3. ***Efficiency*** – Improved networks allow healthcare providers to leverage their traditional medical care resources (hospitals, clinics, equipment) across a larger base of remote patients. Data can easily be transmitted from one place to another within no time at all.
4. ***Interconnectivity*** – With interconnected networks and electronic health records (EHR) collaboration will flourish between clinicians, care teams, patients and provider organizations in order to optimize treatment resources.

Cloud Computing:

1. ***Decreased costs*** – There is no need for health care institution and doctors to invest in hardware infrastructure and maintenance because these concerns are already taken care of by the cloud computing providers.
2. ***Collaboration*** - In many cases, specific information may be needed in two places, by different health services providers at the same time. Through cloud technologies, the information is synchronized and shared in real time.
3. ***Mobility*** – By storing data and computing power in the cloud, health care services providers enable their staff to have access to information anywhere and anytime.
4. ***Security and Privacy*** – Cloud services providers are required to comply with many privacy standards such as HIPAA. Cloud provides great level of security to keep the entire medical history as a backup for future purposes.

How do WorldNet helps to solve the healthcare providers' needs?

Telecommunications and cloud computing spending in the healthcare industry is primarily driven by changes in fundamental business activity: the number of locations, employment, end users and the volume of transactions. WorldNet help organizations become more efficient by integrating and maximizing their Voice, Data, Internet and Cloud Services.

Among the top reasons to choose WorldNet as a telecommunications solution provider are:

- ***Complete Solution*** - Best-of-class technology solutions that include a full spectrum of cloud and telecommunications services to help companies become more efficient.
- ***Expertise*** – More than resources, WorldNet helps companies determine the right technology for their business model.
- ***One point of contact*** - One vendor that provides all of their technology needs.
- ***Network Operation Center*** – A complete monitoring system to keep constant vigilance over the entire network to respond quickly and efficiently to any irregularity.

Healthcare organizations can benefit from an integrated telecommunications solution by improving its operational efficiencies, reducing its communication delays and enhancing patient's services.

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